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Adventures!



Issue 18
Sept 2000
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Save the world.



Alpha Team



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We've got **all sorts of great stuff** this month, including a special Behind the Scenes feature, amazing Quick-build plans and **a great LEGO City compo!**

Win
LEGO City Sets



What's Inside?

All-Action Comic Strips!



4 22

We'll show you how **real-life lasers** actually work!



If you like cars, turn to **page 26 now!**



Real-life Adventures

- 10** Find out about the amazing world of lasers!
- 26** Discover how cars have evolved over the years!

Behind the Scenes

- 32** Find out about a forthcoming attraction at LEGOLAND Windsor!



Puzzles 14 30

Quick-build LEGO plans!

- 12** Construct an incredible Rock Raiders vehicle!
- 28** Build a cool LEGO car!



Fun Factory

- 20** Lots of amazing LEGO model building ideas!



LEGO

Adventures!

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Mini Monsters!

Starring...



Jet and Docs

Expert pilot and the Rock Raiders' genius geologist!



Bandit and Sparks

Tough miner and his clever engineer friend!



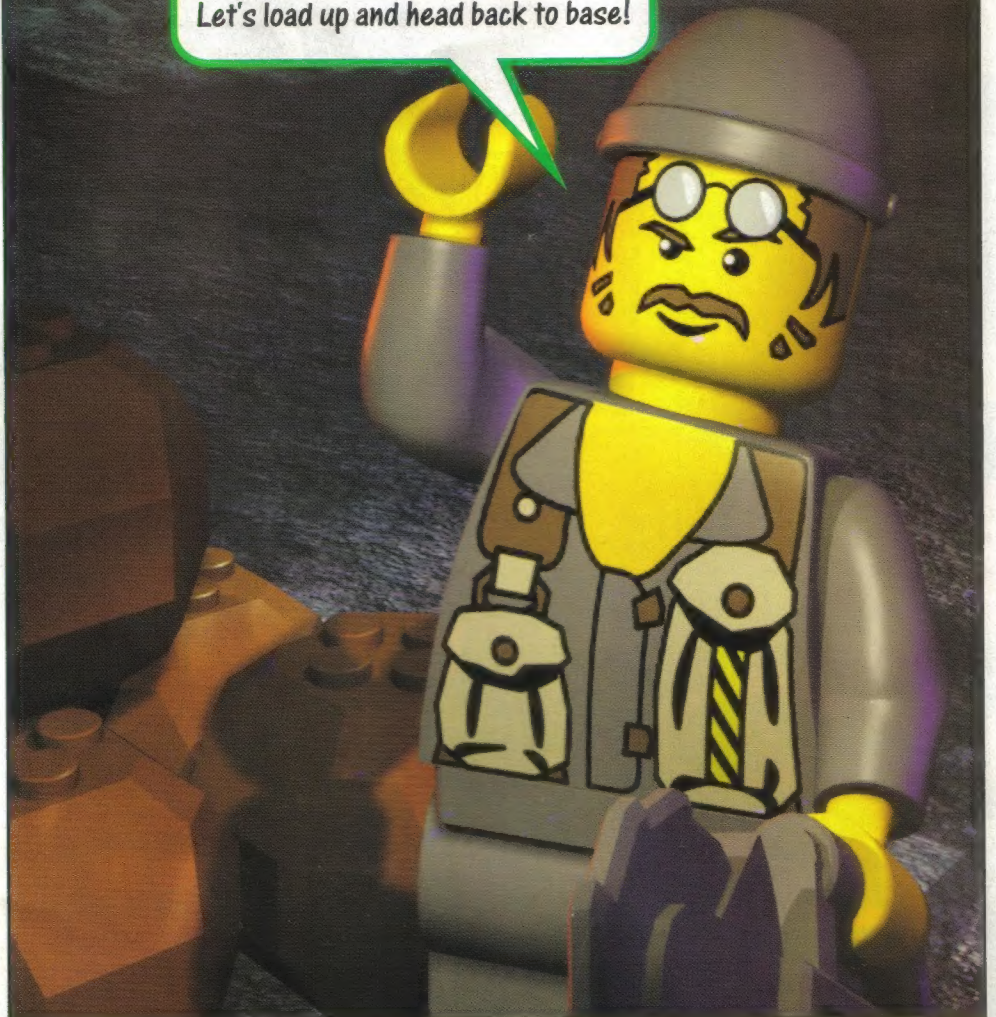
Axle

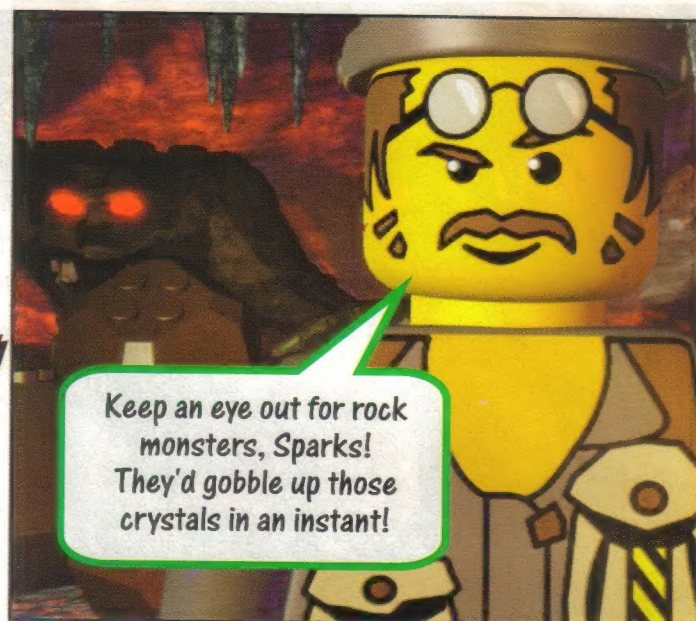
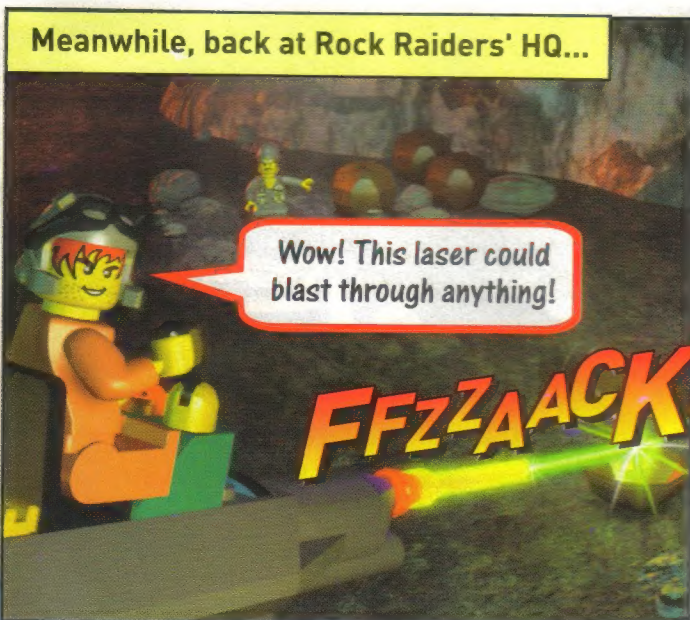
Chrome Crusher driver, he loves fast vehicles and drilling!

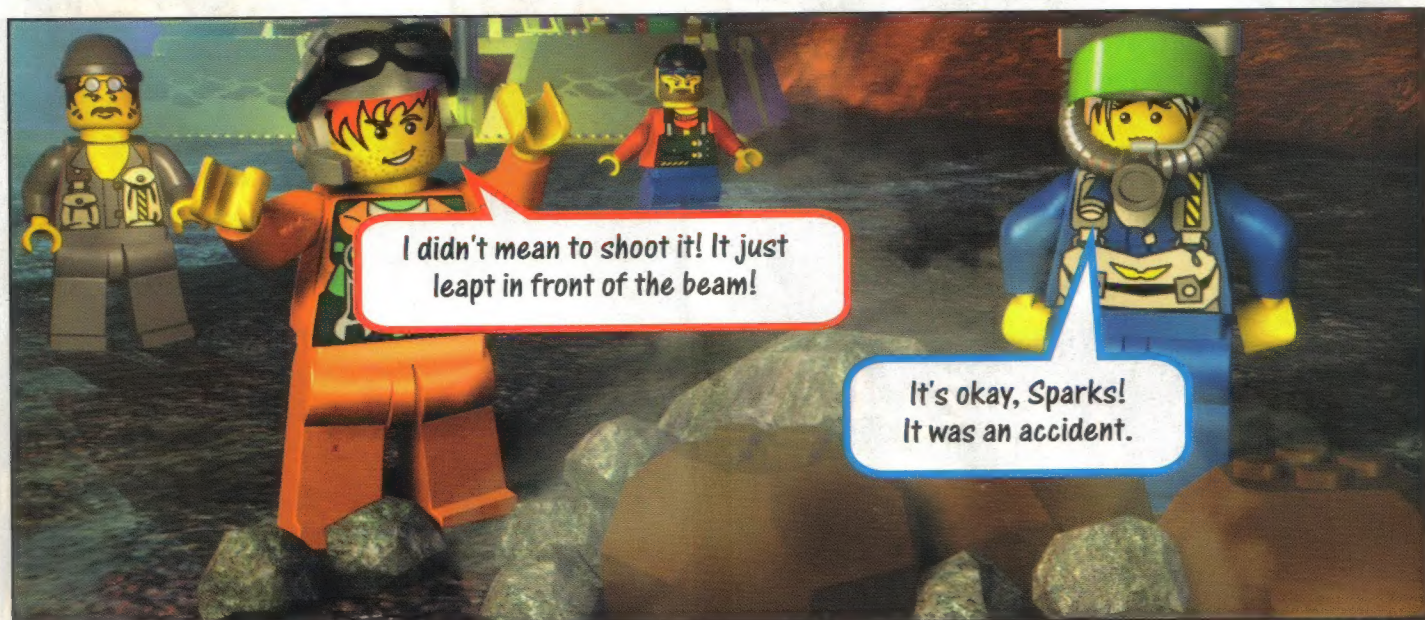
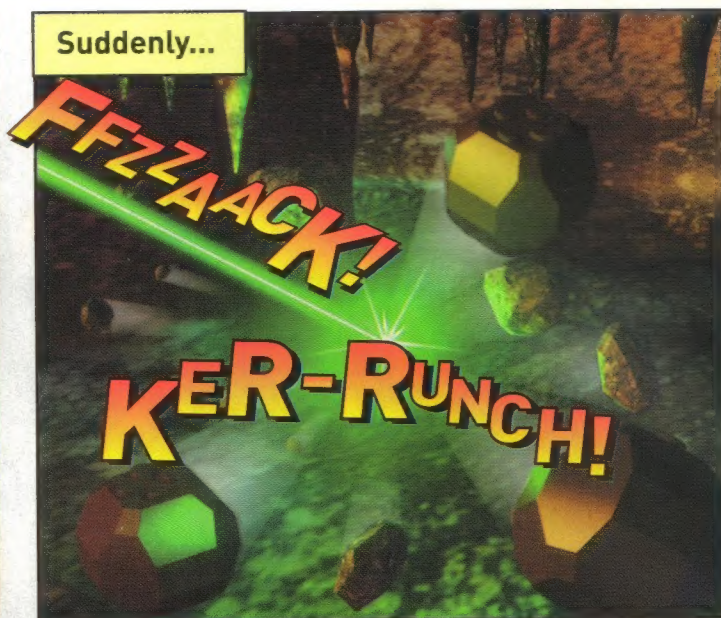
Deep below the surface of a distant planet, the Rock Raiders are mining for energy crystals...

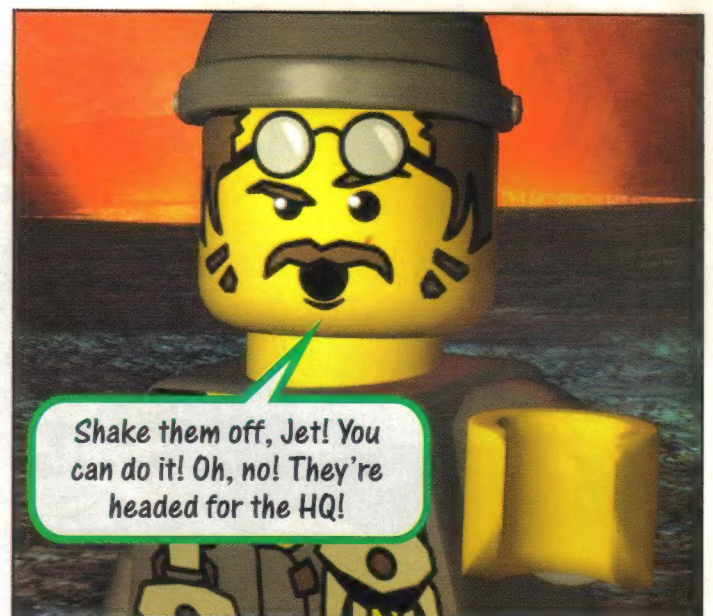
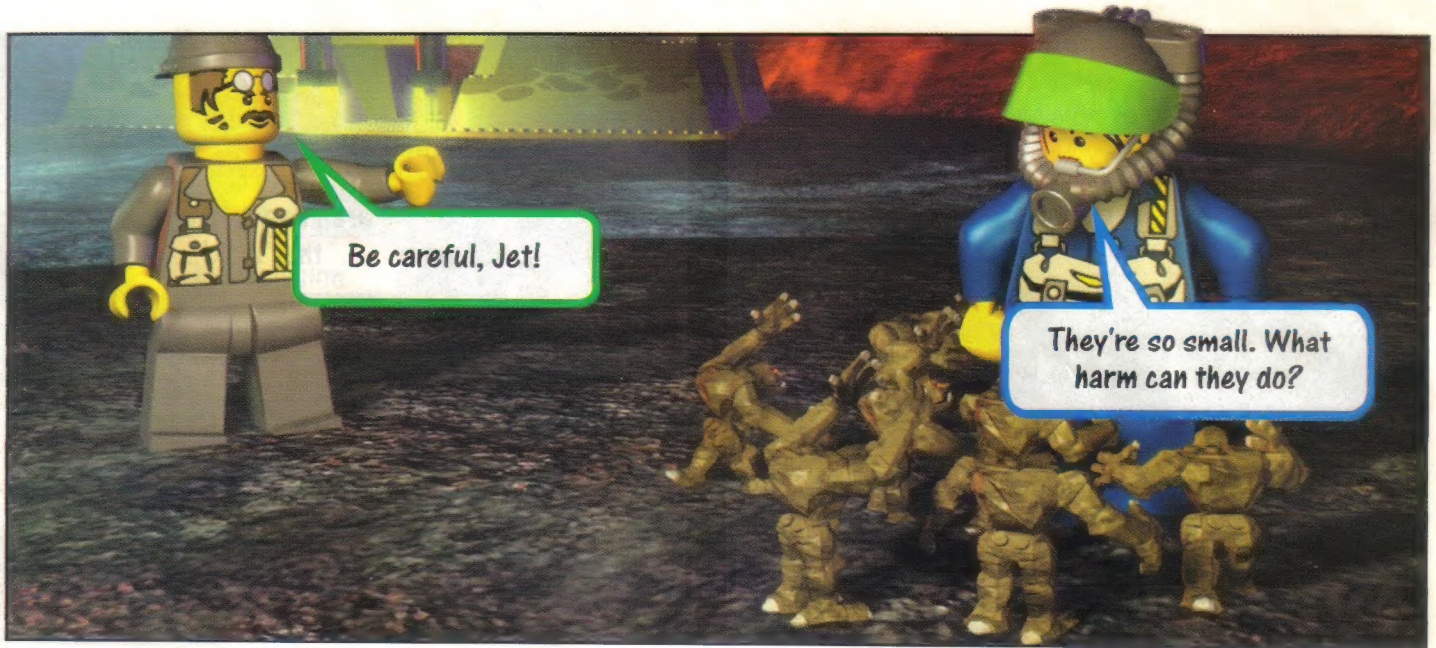


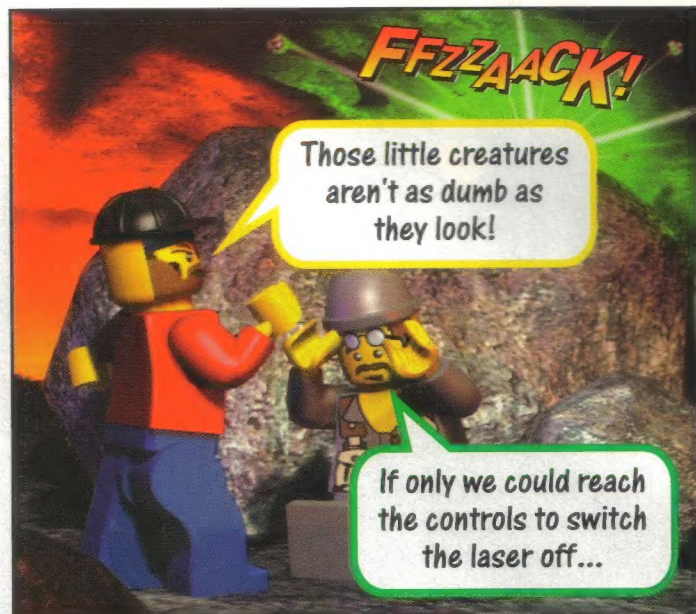
That's enough for today, guys!
Let's load up and head back to base!







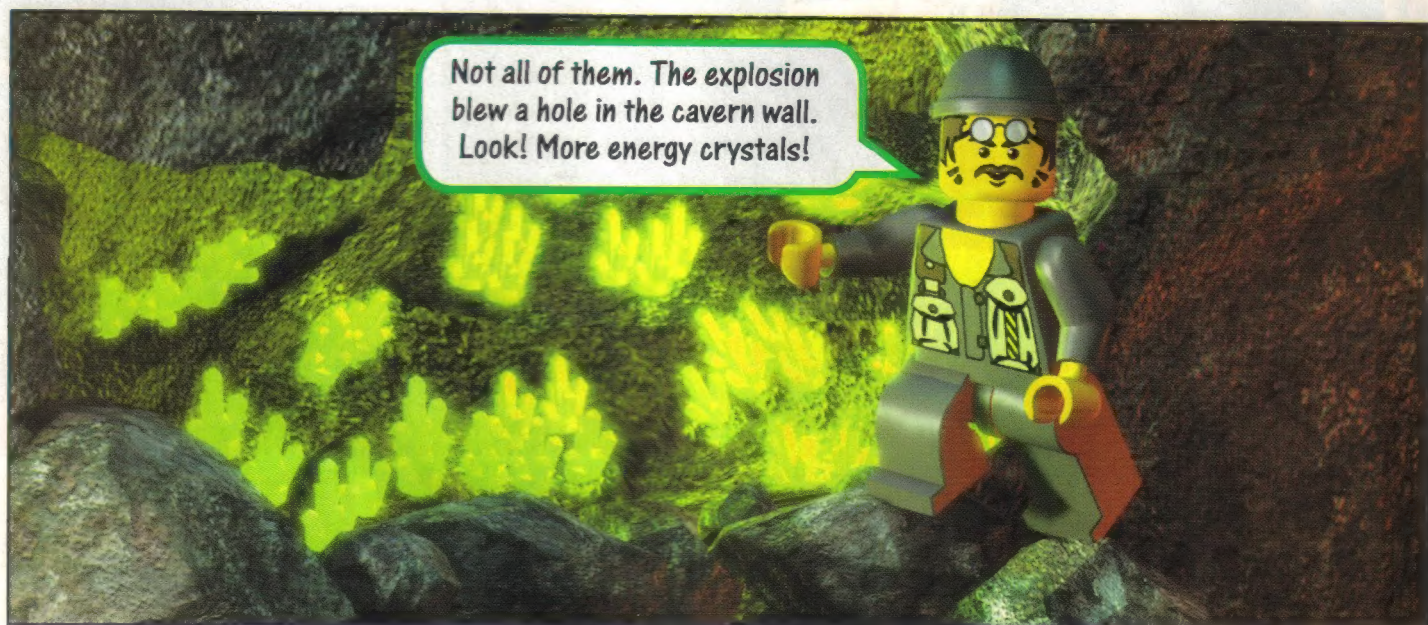




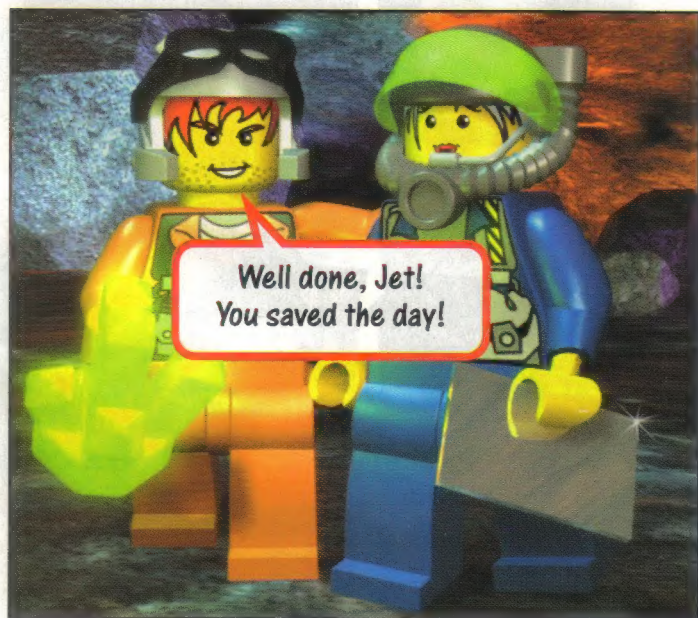


The explosion
scared them off!

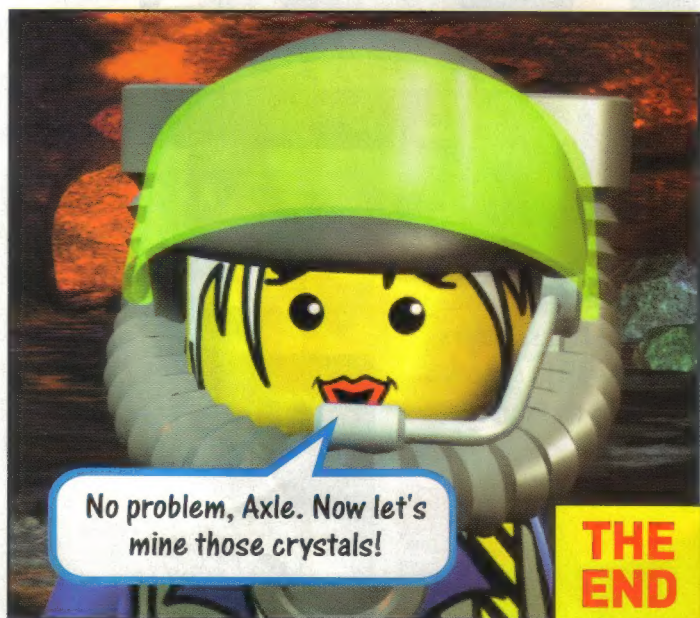
Yeah, but not before
they scooped all of our
energy crystals!



Not all of them. The explosion
blew a hole in the cavern wall.
Look! More energy crystals!



Well done, Jet!
You saved the day!



No problem, Axle. Now let's
mine those crystals!

**THE
END**

Real-life

Adventures

What are **lasers** and how do they work?
Let's take a closer look at lasers and
how they're used in everything from
CD players to medical operations!

A laser is a device that
creates a very powerful
beam of light. The
word "laser" stands for
Light Amplification by
Stimulated Emission of
Radiation!




Lasers

Astronauts use lasers
in space to perform
special tasks. Lasers
work well in space as
there is less dust to
block the beam of light.




The first working laser
was invented in 1958 by
**Arthur Schawlow and
Charles Townes!**






Digital television programmes and telephone conversations are sent along **fibre optic cables** by laser beams. The laser light travels at **186,000 miles per second!**



Lasers can be as small as **a grain of salt** or as large as **a warehouse!**

Lasers are **used in all sorts of gadgets**, including CD players. A laser scans small "pits" on a compact disc and turns this information into **music, pictures or films.**



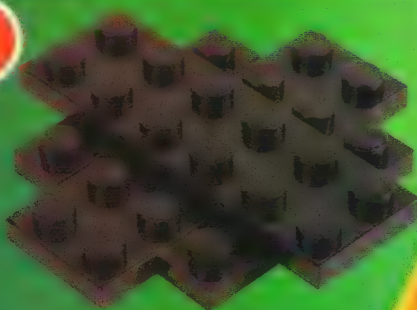
By aiming beams through special lenses and bouncing them off mirrors, scientists can make lasers even more powerful!

Doctors use **special medical lasers**. A laser's light beam can burn away damaged cells or **help heal wounds.**

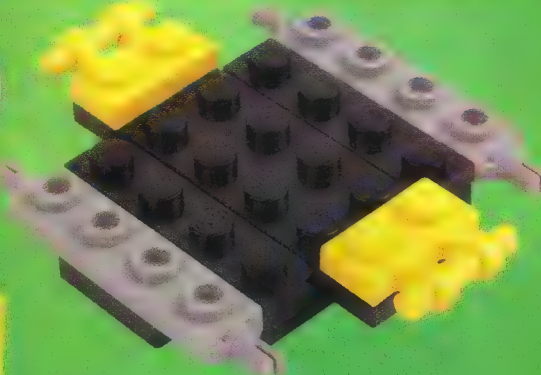
Quick-build Laser Buggy

Build this great Rock Raiders vehicle in five steps!

1



2



3



Make sure there's enough room to add a seat for one or more mini figures.

4



You could try making the laser on your vehicle a lot bigger!



You could try making
a laser buggy for
other Rock Raider
Mini figures!

More building ideas!

Try constructing this
great, double-laser
Rock Raider vehicle!

Try building this
scientific laser
model!

We've given our
laser buggy four
wheels, but you
could add more!

Send us a picture
of your own
LEGO creations!

Puzzles



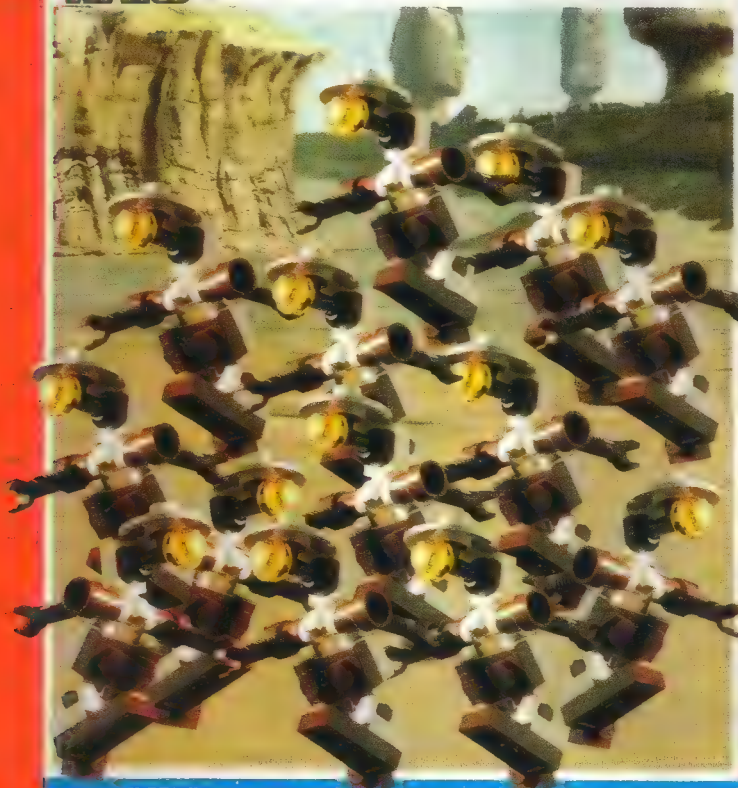
If you get stuck,
turn to the answers
on page 35!



Spot the differences between the two pictures of Jet below!



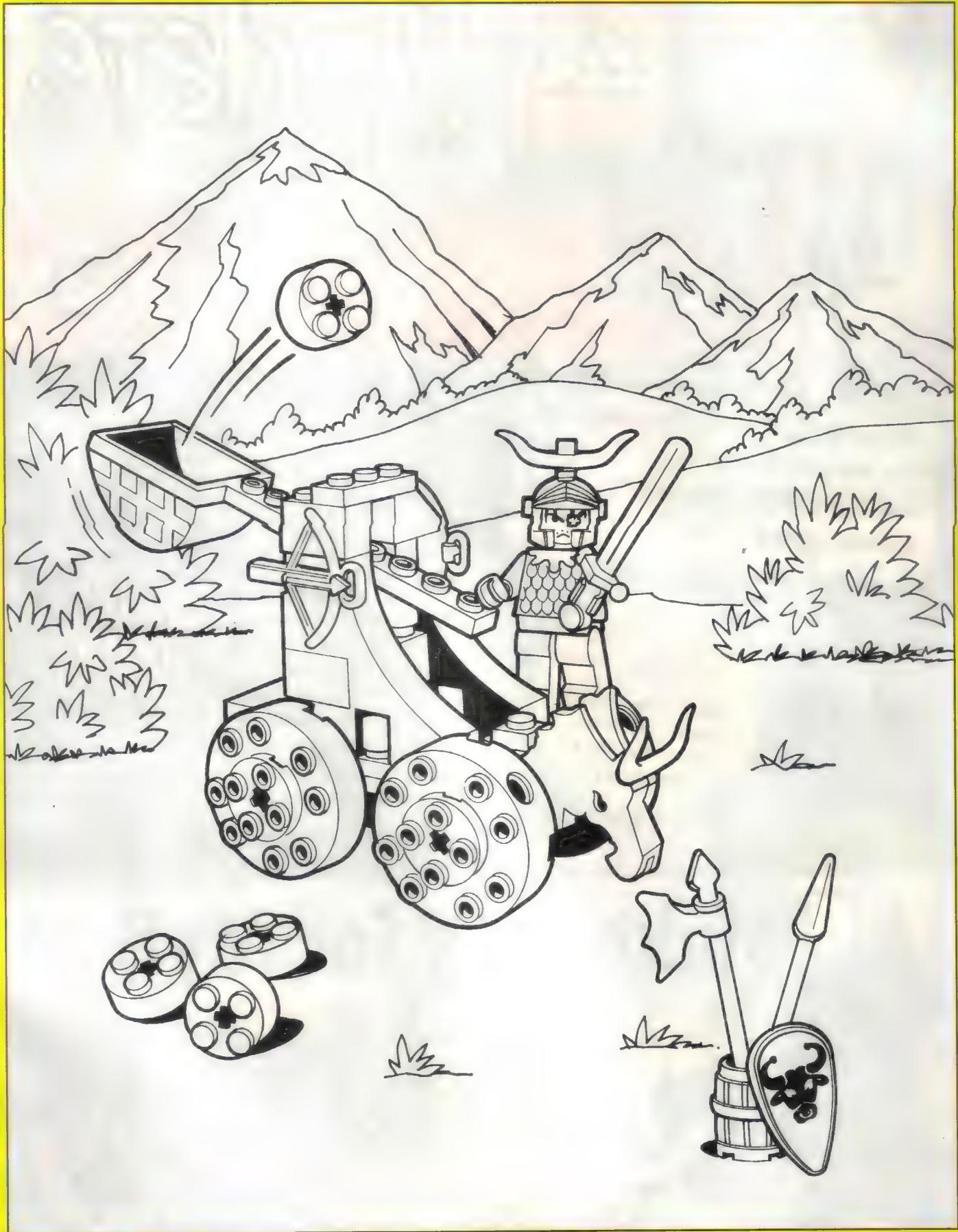
How many Pit Droids can
you count in this picture?



Which Space Port character is
hidden behind these squares?



Have lots of fun colouring in this fantastic Knights' Kingdom scene!





Update

Wizards on the way!

We've got lots of exciting news for you this month with **Harry Potter** LEGO sets on the way and the launch of the amazing **MyBot**!

Harry Potter

DID YOU KNOW?

Author J K Rowling has sold over 30 million Harry Potter books worldwide!

Yes, it's true. Fans of the magical books can expect to see amazing LEGO Harry Potter sets in 2001! There will be nine sets released to coincide with the launch of the Warner Bros. movie, *Harry Potter and the Sorcerer's Stone*. We'll bring you the first pictures as soon as we get them!

COMING SOON!

Make way for MyBot!



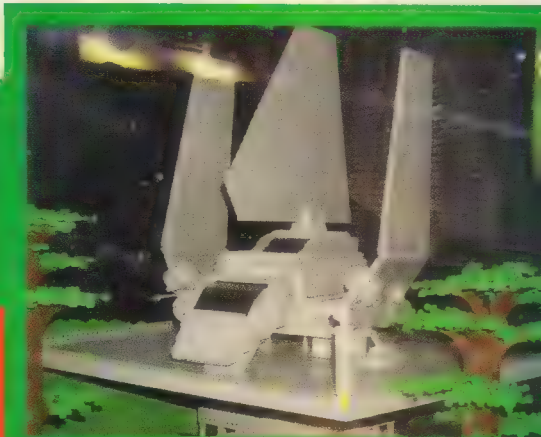
MyBot is a cool new LEGO construction toy due for release this month. MyBot allows you to build all sorts of great models that have interactive lights, sounds and special effects!



LEGO truck on tour!



Currently touring the USA is this amazing LEGO truck. The vehicle is 48-foot long and packed with lots of LEGO fun!



Inside the trailer are many incredible LEGO creations, including these fantastic *Star Wars* models!



There are all sorts of exciting events at the truck stops, such as LEGO Football challenges, model building competitions and much more!



This amazing LEGO *Star Wars* display shows scenes from *The Empire Strikes Back* and *Return of the Jedi*!



Competition

We've got three red-hot Fire Fighters' HQ sets and five Fire Fighters' Lift Truck sets to give away this month!

To win, just answer this question:
Name the LEGO Mini figure on the right. Is it:

- a) Johnny Thunder
- b) Firefighter Jack
- c) Patrolman Bill

Send your answer to:

LEGO City Competition, LEGO Adventures!
PO Box 21327, London WC1H 9SF



Competition Rules

The first three correct entries received before the closing date of 29th September 2000 will receive a Fire Fighters' HQ set (6478). The following five correct entries will each receive an Fire Fighters' Lift Truck set (6477). The editor's decision is final and no correspondence will be entered into.

LEGO Adventures!

LEGO

RACERS

Race against your friends in this fast-paced and fun game. Have you got what it takes to be the next LEGO Racers champion?

How to play:

1. Find a die and choose a LEGO piece for each player. It can be a brick or even your favourite Mini figure! Place them at the start of the game.
2. Decide who will move first by having all players roll the die. The player who rolls the highest number goes first.
3. Take turns in rolling the die. The number of dots that appear on the top side of the die is the number of spaces forward that the player who rolls can move. So if the die shows three dots, the player can move three spaces.
4. The first player to make it to the finish is the winner.

Have fun!



47

Oil slick.
Go back one space!

46

45

Pit Stop.
Slow down and
miss a turn!

44

Crash pit!
Go back two spaces!



25

The Car.
Slow down and
miss a turn!

26

27

A mechanic repairs
your car. Move on
one space!

28

29

Fast work!
Go back
one space!

24

23

22

Rocks on the track.
Go back one space!

21

20

Tight bend ahead.
Go back two spaces!



Start!

1

2

3

A mechanic repairs
your car. Move on
one space!

4

5

Crash pit!
Go back two spaces!



Ideas from the



Fun Factory

Here are more great ideas for models to build with your LEGO bricks!

Bath

This LEGO bath scene is a lot of fun to build!



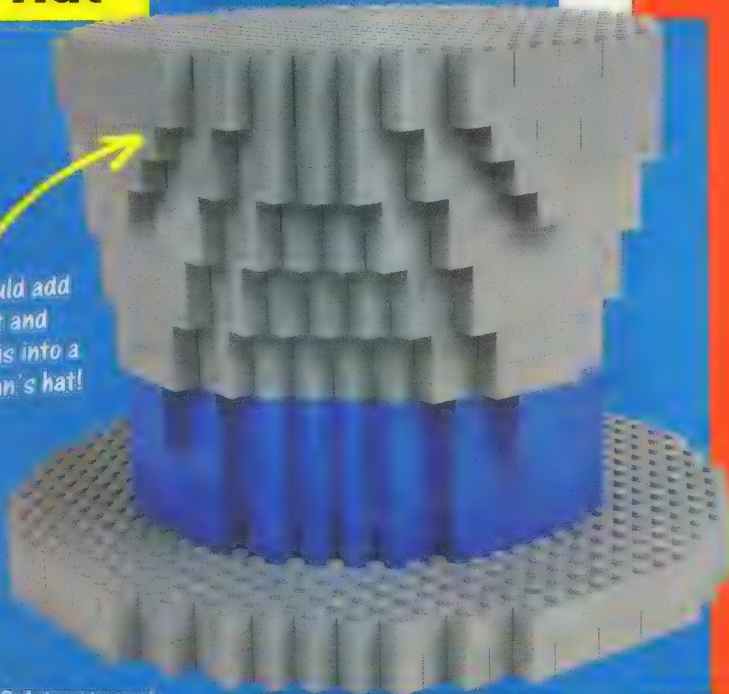
Superhero

Try building your favourite superhero characters!



Top Hat

You could add a rabbit and turn this into a magician's hat!



Book

Add hinged pieces to your book to let it open and close.



Remote Control

Try adding moving parts to your remote control!



Guitar



You could make this model using different coloured bricks if you wanted to.

Fire Hydrant



Laptop



You could make all sorts of screen patterns for your laptop model!

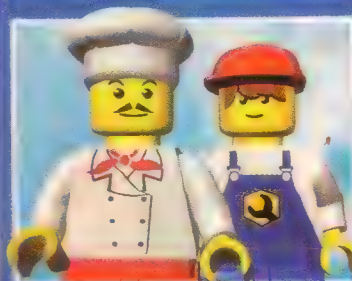
CITY

Landslide!

Starring...



Eagle-Eyed Ted
Reports on traffic from the
LEGO City TV helicopter!

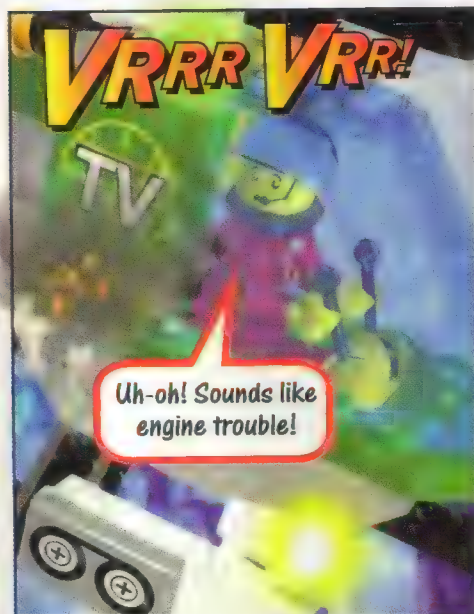


**Hotpot Brickolini
& Oily Jow**
Truck Stop Café chef and his
trusty mechanic!



**Marty Gears
& Ben Steer**
LEGO City truck drivers who are
always ready to lend a hand!

For days, heavy rain drenches LEGO City...



At the Truck Stop Café below...







Before long...



Soon...



A week later...



THE
END

Real-life

Adventures



There are **millions of cars** in use around the world every day. Let's take a look at **how cars work** and how they have evolved over the years!

In the early days of motoring, only the rich could afford to buy a car. That all changed in 1903 when the US Ford Motor Company created the Model T. By 1927 they had sold over 5 million Model T's!

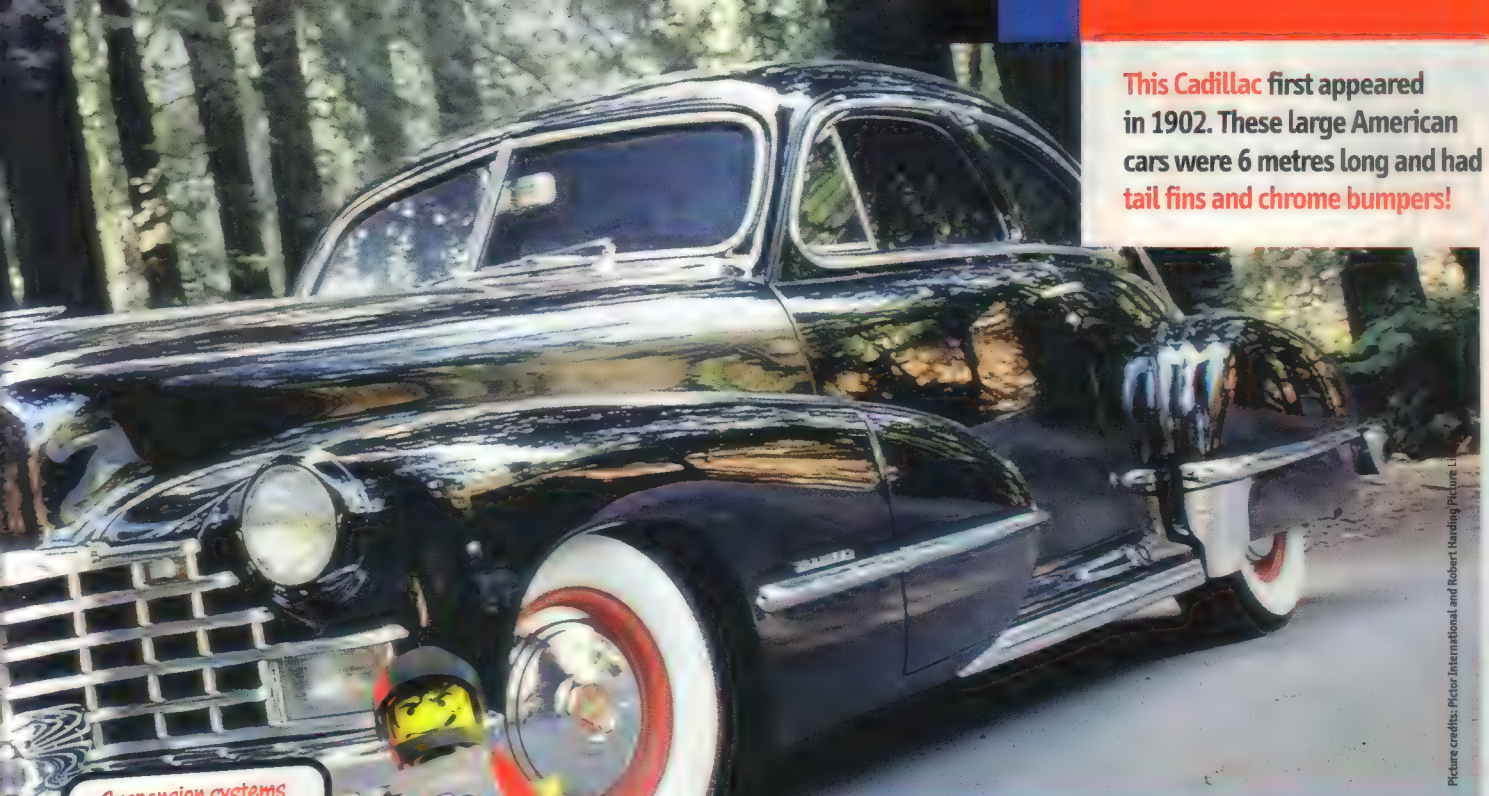


Cars

One of the most famous cars in the world is the **Volkswagen Beetle**. First produced in 1939, this popular little car has its engine at the back and luggage space at the front.



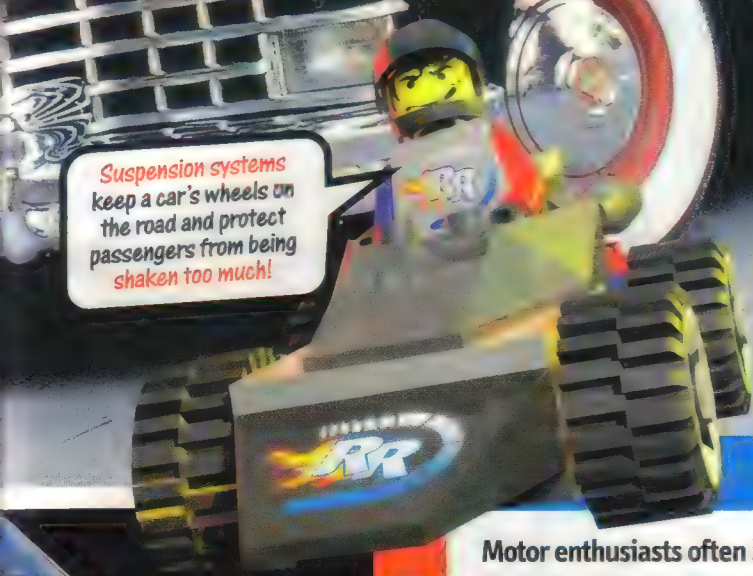
Early cars had to be started by **cranking the engine**. Drivers had to turn a handle until the **engine came to life**!



This Cadillac first appeared in 1902. These large American cars were 6 metres long and had tail fins and chrome bumpers!

Picture credits: Pictor International and Robert Harding Picture Library

Suspension systems keep a car's wheels on the road and protect passengers from being shaken too much!



Modern sports cars, such as this Lamborghini, can reach speeds of up to 200 miles per hour!



Motor enthusiasts often build their own kit cars from scratch, adding powerful engines and special decorations.



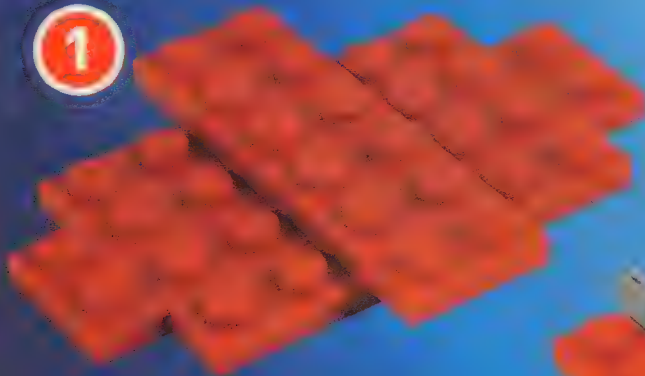
The engine of a car provides power by mixing petrol with air and burning the mixture in the engine cylinders.



Quick-build Sports Car

Build this fantastic LEGO vehicle in six easy steps!

1



2



Adding these special pieces allows the car's wheels to spin.

3



4

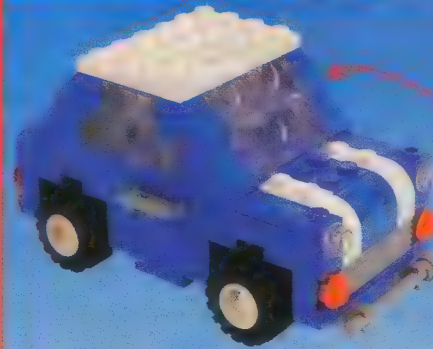


You could try adding numbers or stickers to your sports car!

Don't forget to
add a Mini figure
to your sports car!

5

More building ideas!



Try making other
great car models,
such as this
amazing Mini!

For a bigger
challenge, have a
go at building this
cool sports car!



Send pictures of
your own models into
LEGO Letters!

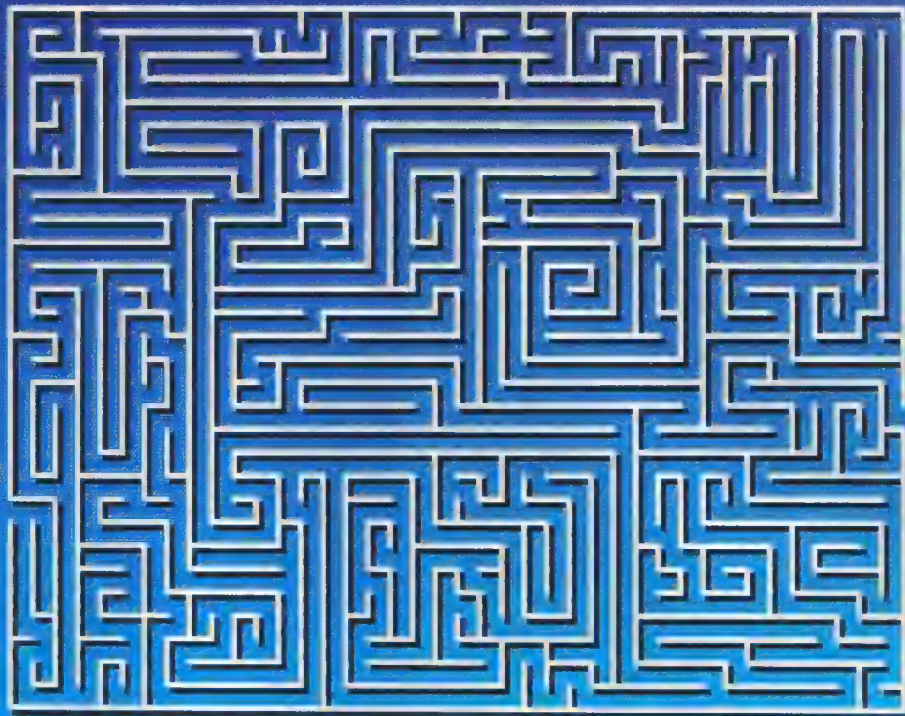
Puzzles



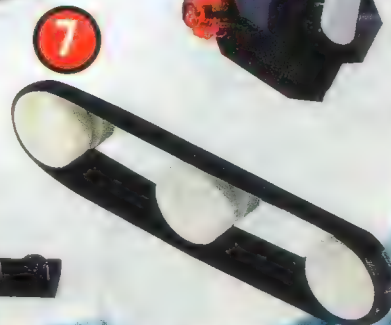
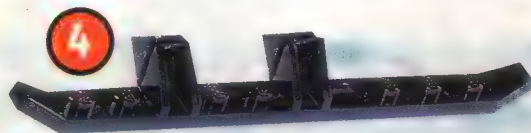
If you get stuck,
turn to the answers
on page 35!

LEGO RACERS

Guide Rocket Racer
through this tricky
maze to the golden
champion's trophy!



Can you work out which LEGO pieces make up the Arctic
Explorer helicopter? Look closely!



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Behind the

Scenes



LEGOLAND
WINDSOR



There's an exciting new attraction opening in **LEGOLAND Windsor** this **October** - **LEGO Creation Centre**! See modelmakers building the amazing **Virgin Miniland Airport**!



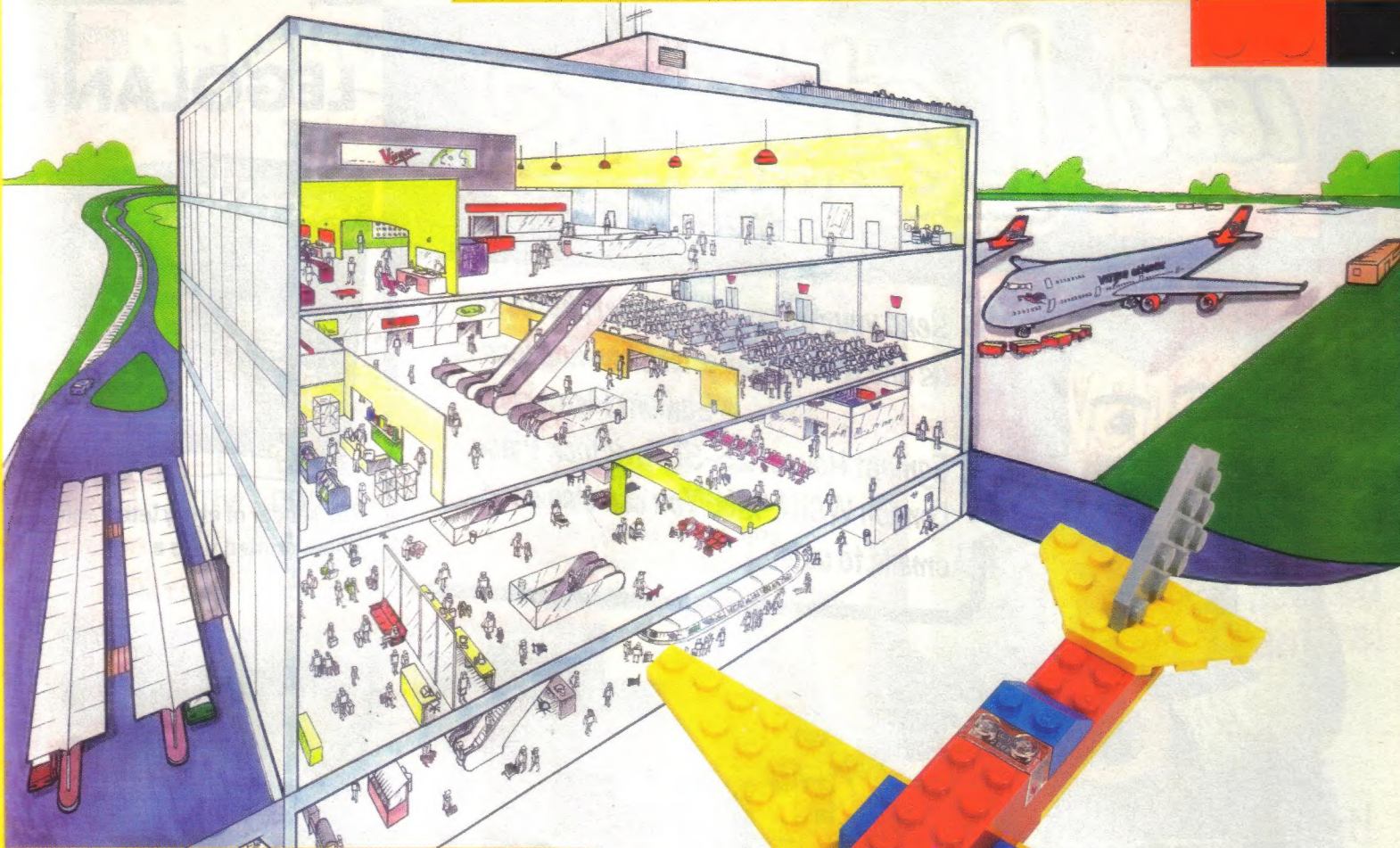
Construction of the airport has already begun and is being sponsored by Virgin. Also at the airport is a "flight simulator" cockpit made of two million LEGO bricks. It will be opened on 16th October 2000 by Sir Richard Branson!



This picture of an airport radar shows how large and detailed LEGOLAND Windsor models really are!



Work on the project began with sketches and technical drawings. These designs helped LEGOLAND Windsor modelmakers build very detailed airport models.



This drawing shows the proposed design of the airport terminal building. The finished model will be cut away to show arrival and departure lounges and LEGO passengers on moving escalators!



Many of the models in the Miniland airport are based on real-life airports such as Shanghai in China and Heathrow in the UK.



There will be all sorts of exciting models to see in and around the airport, including Virgin planes, fuel tankers, luggage trolleys and catering vans!

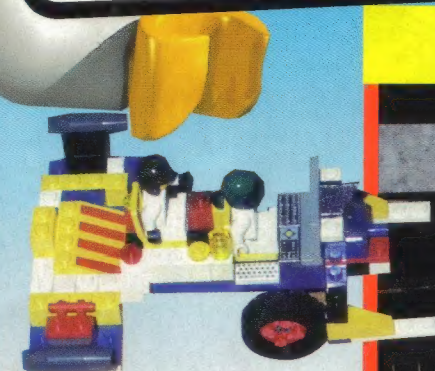
LEGO

Letters

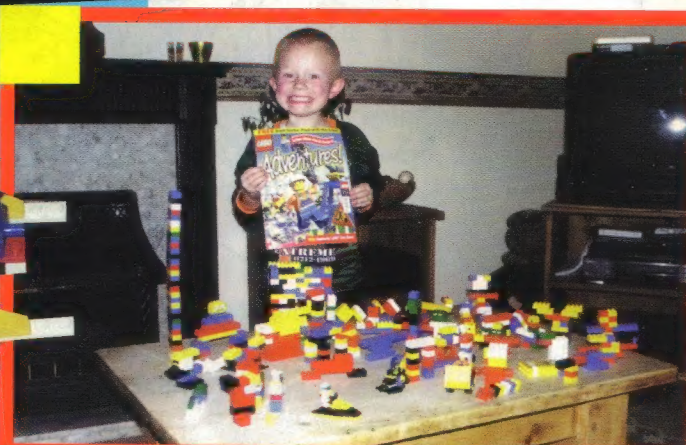
Send your letters and model photos to us and win a great prize! The address is: **LEGO Adventures!** Egmont Fleetway, Egmont House, 25-31 Tavistock Place, London WC1H 9SU. You can also send emails to us at: LEGOAdv@fel.egmont.com

LEGO
LEGOLAND
WINDSOR

The sender of every letter and photo printed wins a **FREE** child's ticket to LEGOLAND Windsor!



This great lunar patrol vehicle has been built by **5 year-old Laurie Smart** from Cambridge. We think it looks great!



Here's a picture of **4 year-old Alexander State** and the many LEGO models he has made!

Henry Brett from Co. Antrim had designed and built this amazing space ship model. Well done, Henry!



This model of a pirate in his rowing boat has been made by **8 year-old Ruben Partington** from Edinburgh!



Andrew McMurran from Co. Down is a big Rock Raiders fan and has been busy making this fantastic LEGO base. Thanks for the photo, Andrew!

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ADV09



Ryan Ansell from Australia has made this tiny LEGO Olympic stadium!



Lorron and Jessica Wyatt from Thetford have built this incredible LEGO hospital!

Puzzle Answers

PAGE 14: ROCK RAIDERS PUZZLE: There are 7 differences to spot on jet on the right.
STAR WARS PUZZLE: There are 13 Pit Droids.
SPACE PORT PUZZLE: The hidden character is Astronaut Ricky Stat!.
PAGE 30: ARCTIC EXPLORERS PUZZLE: The LEGO pieces that make up the Arctic helicopter are: 1, 3, 4 and 6.

In next month's



Adventures!

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